

# Microscopic Camera LUMC-B20



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Microscopic Camera LUMC-B20 is digital microscope C-mount HDMI capable camera, delivers 1080p video up to 60fps, and 5MP still images. The highly-sensitive digital sensor makes this camera ideal for low-light applications, including dark-field and fluorescence. It can be used as a standalone recording device using SD: Secure Digital memory, or as a Wi-Fi camera on a networked computer, this is an extremely flexible imaging solution.

## Features

- 5MP 1080P with 60 fps HDMI, Wi-Fi, C-mount digital camera
- Wi-Fi connectivity for PC control and capture up at 25 fps
- Standalone operations with built-in recording using SD card
- Includes Stitching and Focus-Stacking, offers editing/processing of images
- Useful for fluorescence and dark-field imaging
- Excellent low-light performance
- User-friendly software for Windows XP/Vista/7/8/10

## Application

This digital camera with C-mount design can be connected directly to C-mount photo-ports, or used in conjunction with an array of lenses and adapters to mount virtually on any microscope for different applications across microbiology, medicine, biotechnology, tissue culture etc.

# Specifications

<b>Model no.</b>	<b>LUMC-B20</b>
Sensor type	CMOS Sony IMX178 sensor
Camera type	Colored
Sensor size	1/ 1.8"
Resolution	5.0 MP
Pixel size	2.4 $\mu\text{m}$
Video resolution	1080 p
Frame rate	60 fps at 1920 × 1080 (HDMI)
	25 fps at 1920 × 1080 (Wi-Fi, SD)
Sensitivity	425 mV at 1/ 30 s
Total active pixels	2048 × 1536
Connectivity	HDMI, Wi-Fi, USB
Mounting size	C- mount
Power	12 V, 1 A
OS requirements	Windows (32/64 bit) XP/Vista/7/8/10, Mac
	OS 10.8+, Linux kernel 3.13+
Hardware requirements	Intel Core2 2.8GHz or comparable processor,
	2GB RAM, USB2.0 port

Advanced software for windows	Live video and still image capture values can be set
	in different
	resolutions simultaneously
	Offers Stitching, EDF, video recording and
	measurement functions
	Conducts measurements for lengths, angles,
	arcs, areas and etc.
	offers computer screens the same field of view as your
	microscope's eyepiece
	Saves still images in BMP, TIFF, JPG, PICT, PTL
or other formats	
Less mount	C- interface mount
Working temperature	0 to 60°C
Working Humidity	0 to 85 % RH
Weight	Approx. 600 g

## Standard accessories

Accessories no.	Name
1	HD digital camera
2	USB mouse
3	USB Wi-Fi Camera
4	HDMI Cable
5	SD Card
6	Power adapter
7	CD with software and instruction manual